

FIG. 1

001250-92692560

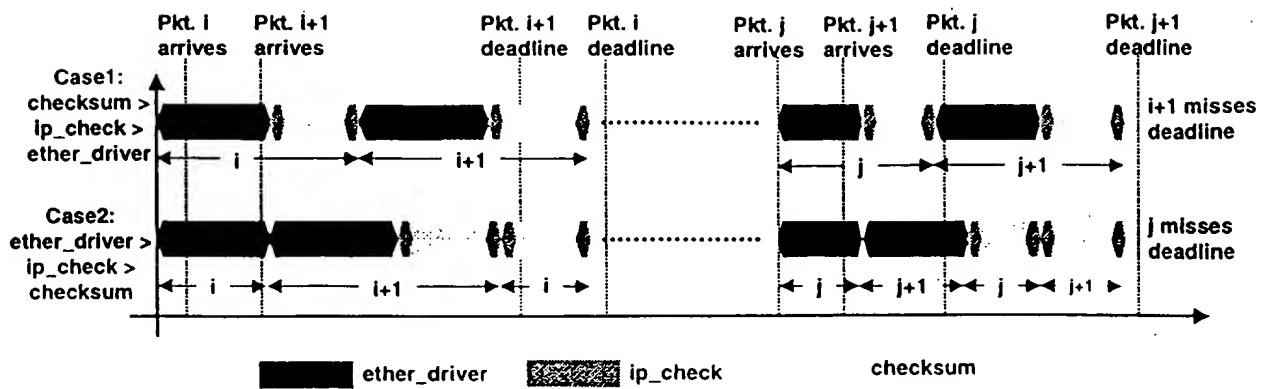
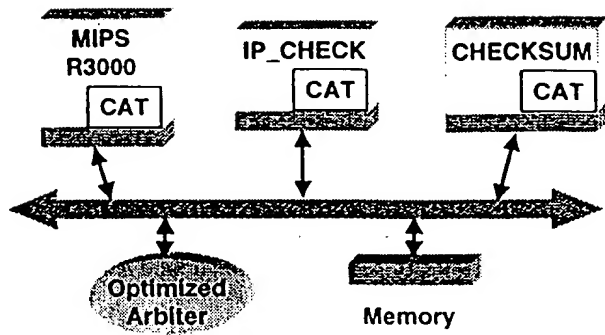
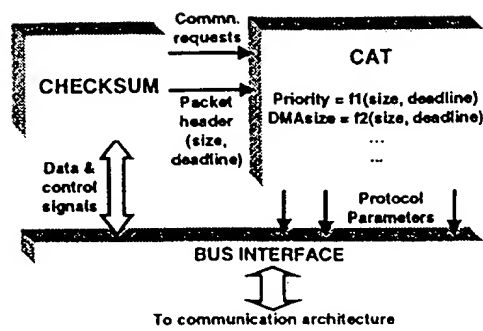


FIG. 2

007250-95692360



(a)



(b)

FIG. 3

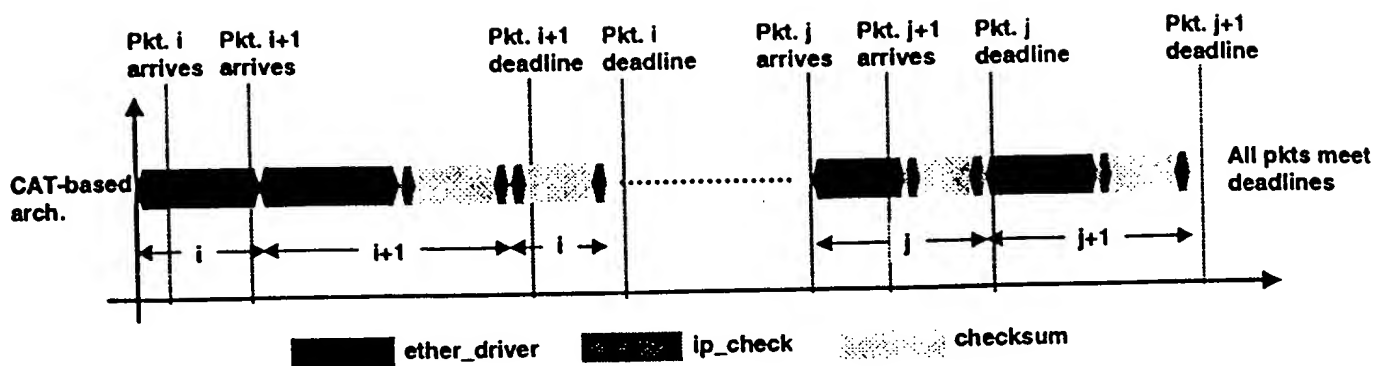


FIG. 4

```

if (u) { // e1
    packet = concat(packet,data);
}
if (...) { // e2
    ...
}
if (security == high) { //e3
    packet->encryption_level = 0;
} else if (security == medium) {
    packet->encryption_level = 1;
} else {
    packet->encryption_level = low;
}
switch (channel_char.) //e4
case 1: packet->code = 1; break;
case 2: packet->code = 2; break;
default: packet->code = 3; break;
...
send_packet(x, encryption_unit);

```

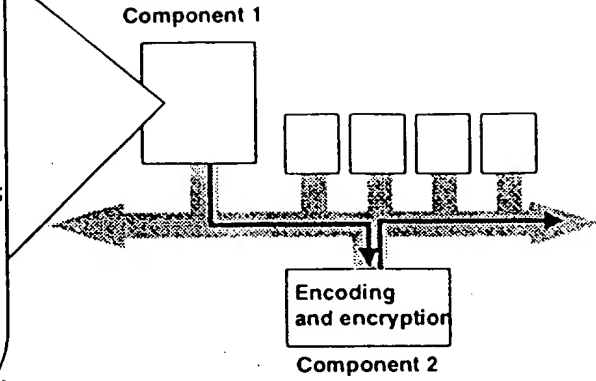


FIG. 5

007250-93694560

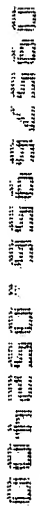
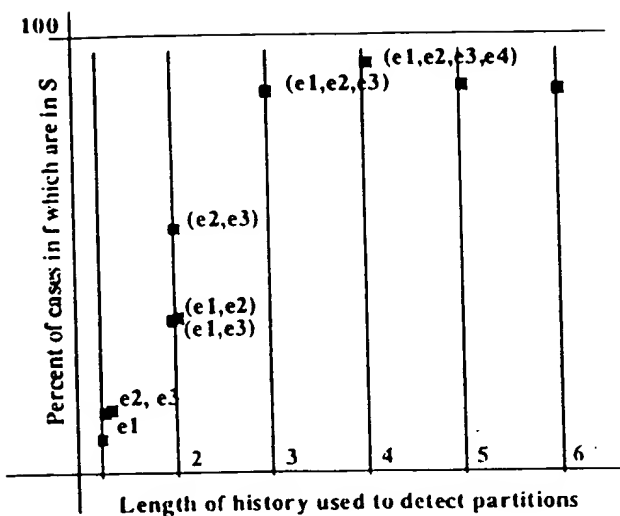
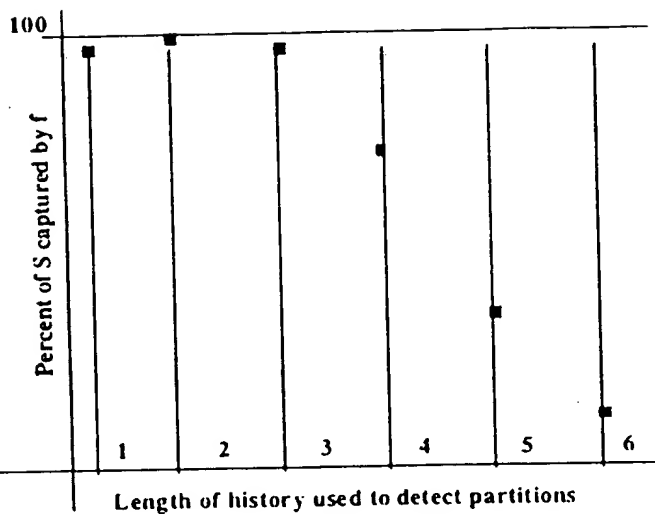


FIG. 6



(a)



(b)

FIG. 7

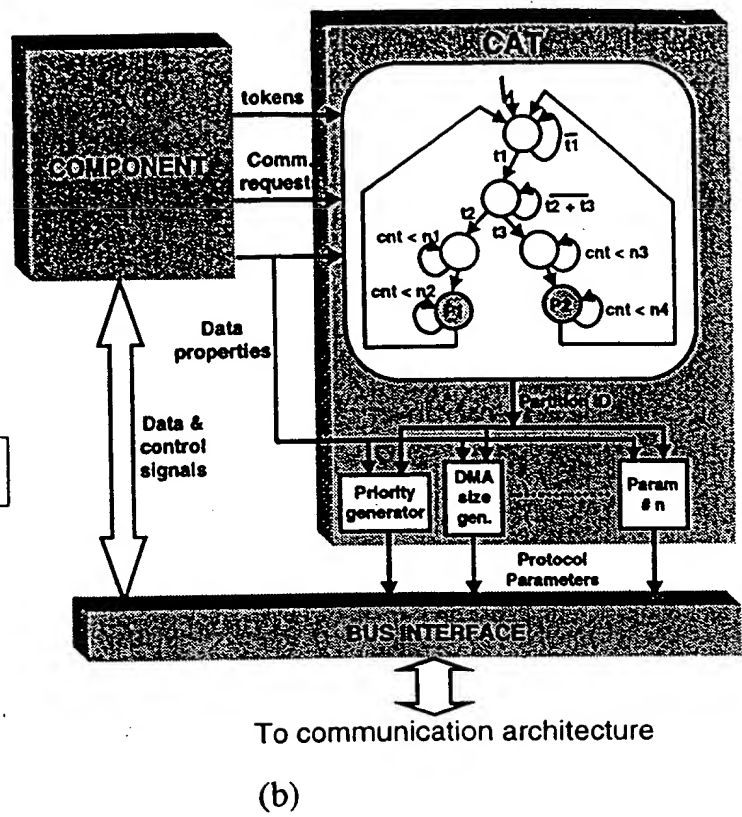
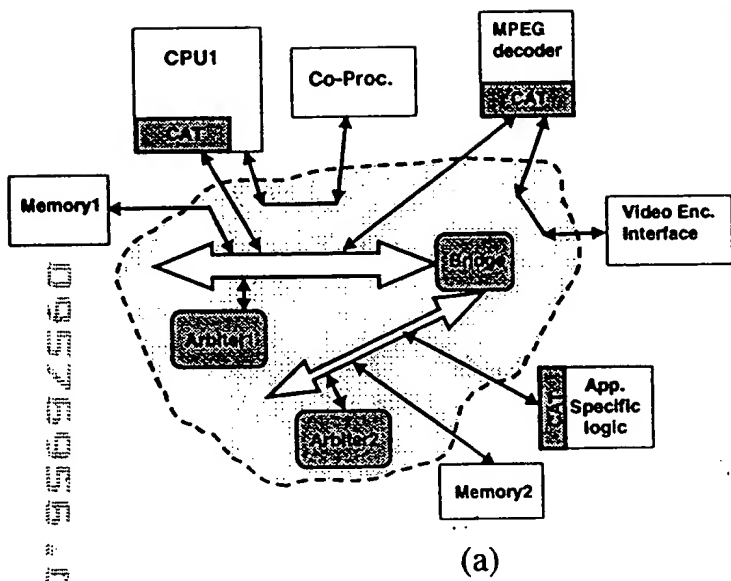


FIG. 8

Inputs: Partitioned/mapped system,
Comm. Arch. topology,
Input traces,
Performance metrics

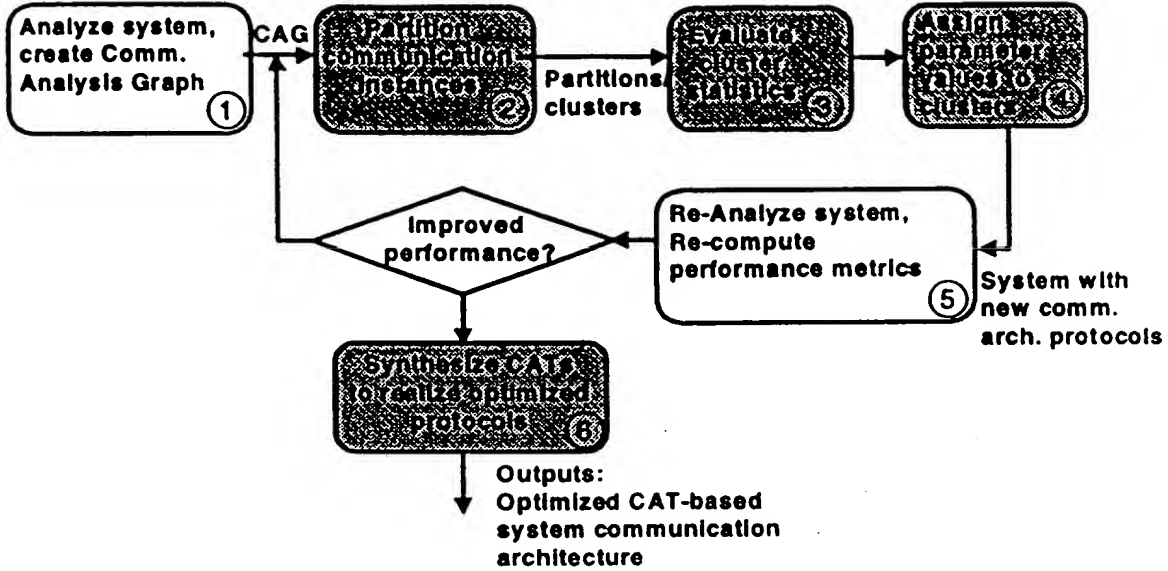


FIG. 10

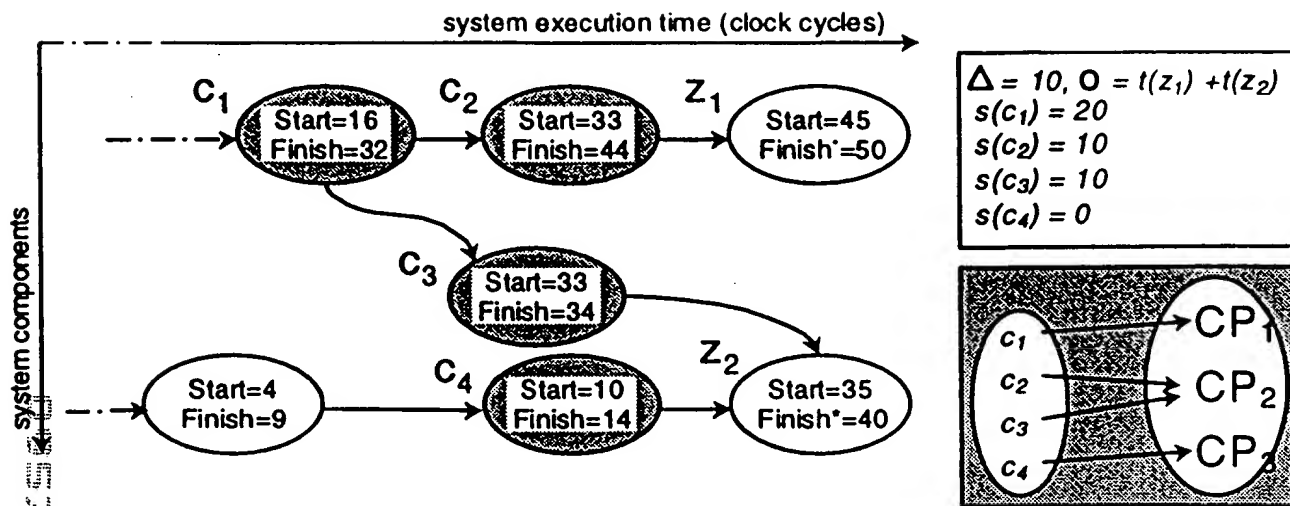


FIG. 11

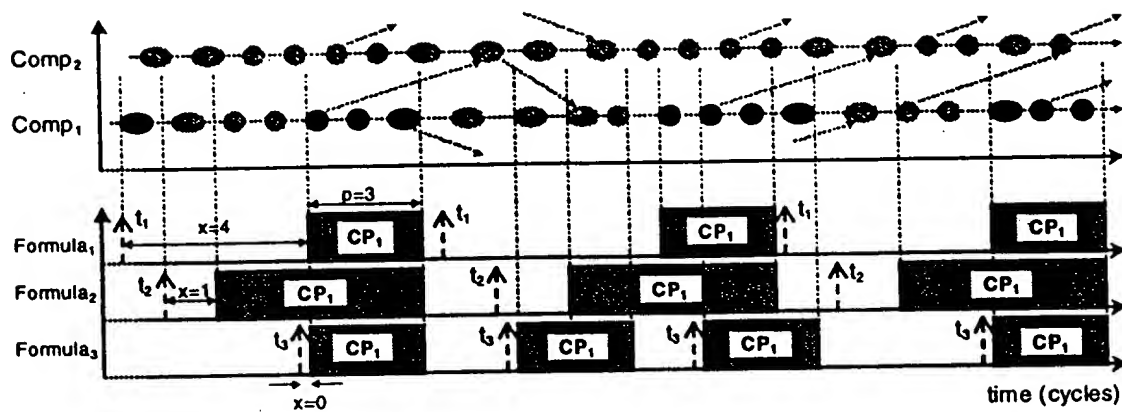


FIG. 12

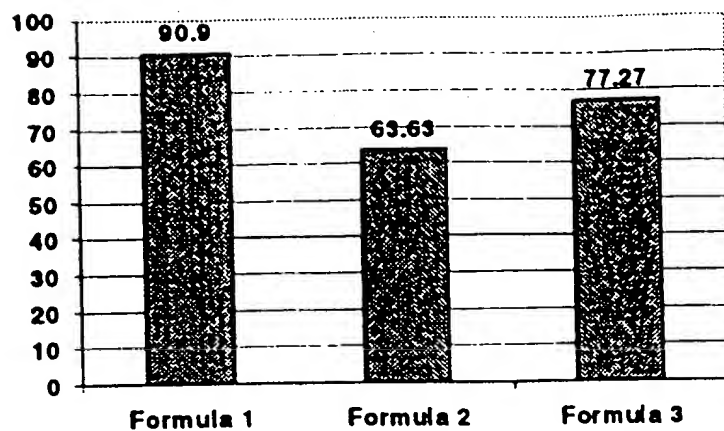


FIG. 13

001450 999250

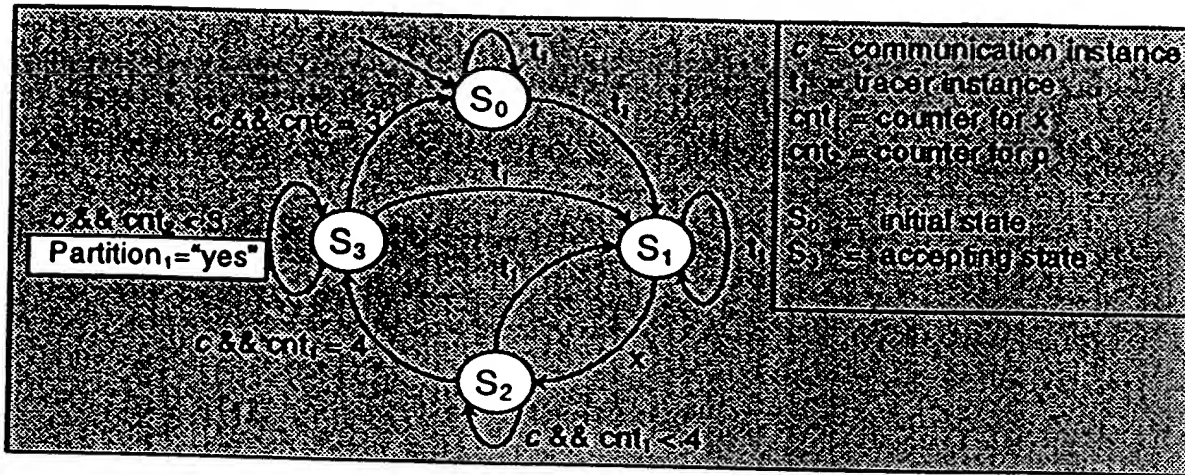


FIG. 14

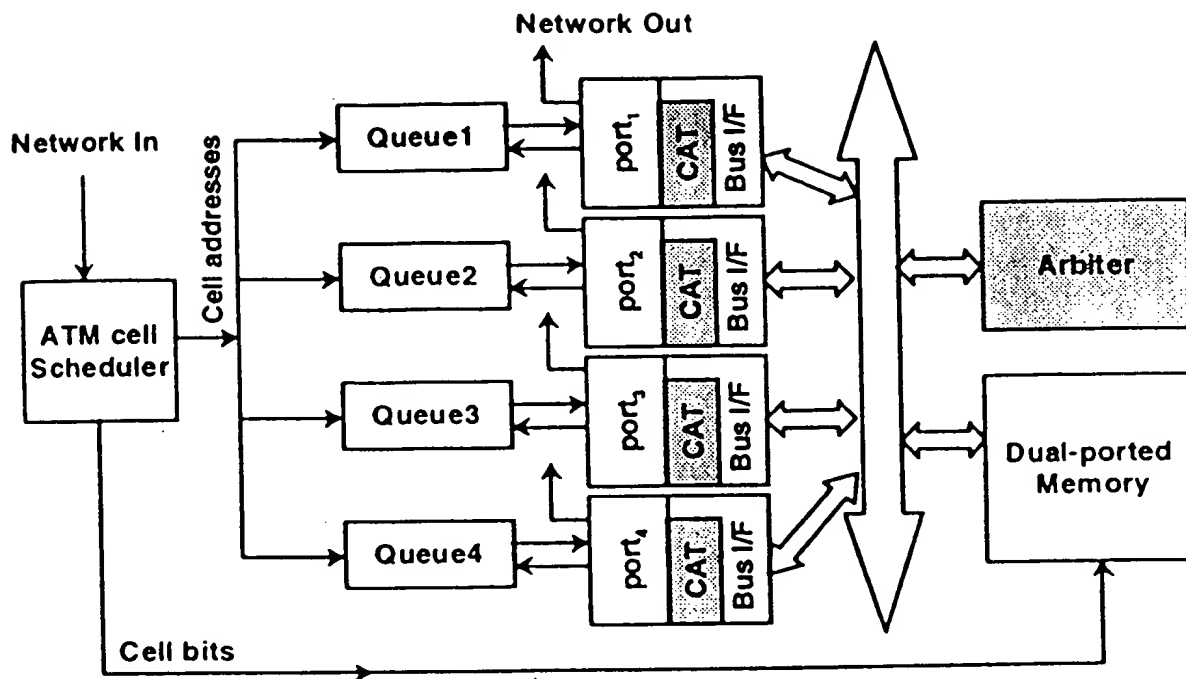


FIG. 15

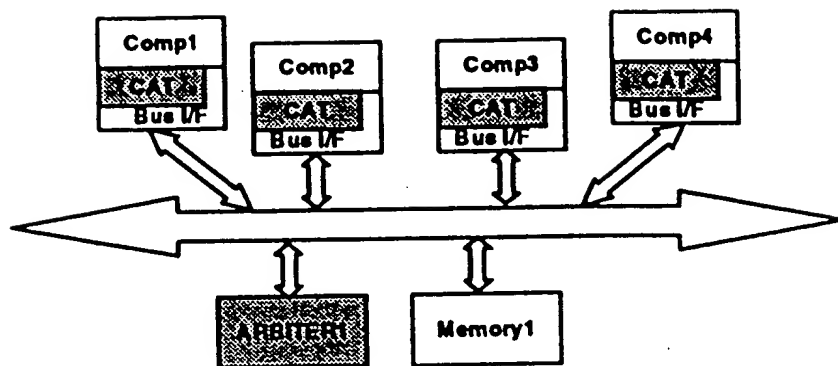


FIG. 16

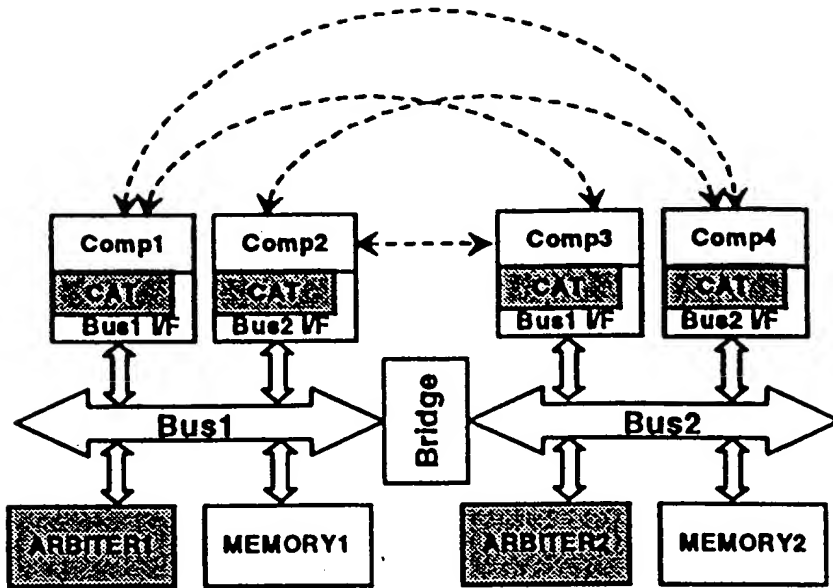


FIG. 17